1997 ANNUAL INDEX OF THE JOURNAL OF COATINGS TECHNOLOGY

Volume 69 — Numbers 864-875

January–December, 1997

Keyword Subject Index

Additives

Antifoulants ..... Apr., p. 67
Curing Agents ..... Dec., p. 49
Dispersants ..... Sept., p. 69
Photoinitiators ..... Feb., p. 91; Mar., p. 29
Plasticizers ..... Sept., p. 45
Rheological Agents ..... Jan., p. 109; Apr., p. 73
Thickeners ..... Jan., p. 109; Apr., p. 55; Apr., p. 73

Analysis

Accelerated Testing ..... Feb., p. 69
Atomic Absorption Spectroscopy ..... Aug., p. 67
Biological Tests ..... Mar., p. 39
Dielectric ..... July, p. 53
Color Measurement ..... June, p. 59
Differential Scanning Calorimetry ..... May, p. 45
Direct Current Polarization ..... Aug., p. 67
Dry Abrasion Test ..... May, p. 33
Dynamic Mechanical Analysis ..... Jan., p. 109; June, p. 53
Electrochemical Impedance Spectroscopy ..... July, p. 53; Aug., p. 67
Exposure ..... Nov., p. 13
FTIR Spectroscopy ..... Feb., p. 91; Sept., p. 55; Oct., p. 113
Gas Chromatography ..... June, p. 33
Glass Transition Temperature ..... May, p. 39
Impedance ..... July, p. 53
Lifetime Spectroscopy ..... Sept., p. 45
Positron Annihilation ..... Sept., p. 45
Scanning Electron Microscopy ..... June, p. 53; Aug., p. 77
Scanning Probe Microscope ..... Oct., p. 123
Scratch Test ..... Sept., p. 77
Solid Phase Extraction ..... June, p. 33
Solvents, VOC ..... June, p. 33
Taber Abrasion ..... Sept., p. 77
Ultraviolet Spectroscopy ..... Feb., p. 91
Wet Abrasion Test ..... May, p. 33
Xenon Chloride Lamp ..... Feb., p. 77

Chemical Processes

Catalysis ..... May, p. 51; Dec., p. 49
Corrosion ..... Mar., p. 65; July, p. 53; Aug., p. 67; Sept., p. 45
Crosslinking ..... June, p. 43; June, p. 59; July, p. 43; July, p. 61; Sept., p. 55; Sept., p. 77; Dec., p. 33; Dec., p. 49
Photooxidation ..... Jan., p. 85
Photostabilization ..... Jan., p. 85
Polymerization ..... Feb., p. 91; May, p. 39
Synthesis ..... Feb., p. 91
Weathering ..... Jan., p. 85; Feb., p. 69

Classes of Coatings

Automotive ..... Jan., p. 85; Feb., p. 69; Mar., p. 57
High-Solids ..... July, p. 43
Latex ..... June, p. 43; Nov., p. 13
Marine ..... Mar., p. 39; Apr., p. 67
Powder ..... Aug., p. 91; Dec., p. 23
Solventborne ..... Sept., p. 55
Thermoset ..... June, p. 43
Traffic Marking ..... May, p. 33
UV, EB, Radiation Cure ..... Feb., p. 77; Mar., p. 29; Aug., p. 83; Nov., p. 13; Nov., p. 29; Dec., p. 33
Water-based ..... June, p. 33
Waterborne ..... Jan., p. 109; Jan., p. 127; Apr., p. 73; Apr., p. 81; June, p. 43; July, p. 43; Oct., p. 113
Wood ..... Mar., p. 47

Coatings Components

Acids ..... June, p. 65
Acrylics ..... Oct., p. 123
Alkyds ..... June, p. 59; July, p. 71
Calcium Carbonate ..... Nov., p. 13
Cycloaliphatic Epoxides ..... June, p. 43
Epoxy ..... Feb., p. 85; July, p. 53; July, p. 71; Sept., p. 45; Sept., p. 77; Dec., p. 49
Fluorine ..... Aug., p. 77
Latex ..... Jan., p. 97; Jan., p. 109; Apr., p. 55; Apr., p. 73; May, p. 39; June, p. 43; July, p. 43; Nov., p. 13; Dec., p. 49
Melamine ..... Feb., p. 69
Polyglycols ..... Feb., p. 85
Polyurethanes ..... Mar., p. 47; May, p. 51; June, p. 65; Sept., p. 55; Sept., p. 69; Oct., p. 113; Oct., p. 123; Dec., p. 49
Urethanes ..... July, p. 71
Vinyl Ether ..... Feb., p. 91

Coatings

Automotive ..... Jan., p. 85; Feb., p. 69; Mar., p. 57
Clearcoat ..... Feb., p. 69; Mar., p. 57; Oct., p. 123
Coalescence ..... Jan., p. 97
Corrosion (Anti-) ..... Mar., p. 65; July, p. 53; Sept., p. 45
CPVC ..... Apr., p. 67
Crosslinking ..... June, p. 43; June, p. 59; July, p. 43; July, p. 61; Sept., p. 55; Sept., p. 77; Dec., p. 33; Dec., p. 49
Curing ..... Jan., p. 109; Feb., p. 77; July, p. 43; July, p. 61; Aug., p. 83; Dec., p. 33
Flame Retardant ..... May, p. 39
Fouling (Anti-) ..... Mar., p. 39; Apr., p. 67
Hardness ..... Mar., p. 57
High-Solids ..... July, p. 43

1997 ANNUAL INDEX OF THE JOURNAL OF COATINGS TECHNOLOGY

Volume 69 — Numbers 864-875

January–December, 1997

Keyword Subject Index

Additives

Antifoulants ..... Apr., p. 67
Curing Agents ..... Dec., p. 49
Dispersants ..... Sept., p. 69
Photoinitiators ..... Feb., p. 91; Mar., p. 29
Plasticizers ..... Sept., p. 45
Rheological Agents ..... Jan., p. 109; Apr., p. 73
Thickeners ..... Jan., p. 109; Apr., p. 55; Apr., p. 73

Analysis

Accelerated Testing ..... Feb., p. 69
Atomic Absorption Spectroscopy ..... Aug., p. 67
Biological Tests ..... Mar., p. 39
Dielectric ..... July, p. 53
Color Measurement ..... June, p. 59
Differential Scanning Calorimetry ..... May, p. 45
Direct Current Polarization ..... Aug., p. 67
Dry Abrasion Test ..... May, p. 33
Dynamic Mechanical Analysis ..... Jan., p. 109; June, p. 53
Electrochemical Impedance Spectroscopy ..... July, p. 53; Aug., p. 67
Exposure ..... Nov., p. 13
FTIR Spectroscopy ..... Feb., p. 91; Sept., p. 55; Oct., p. 113
Gas Chromatography ..... June, p. 33
Glass Transition Temperature ..... May, p. 39
Impedance ..... July, p. 53
Lifetime Spectroscopy ..... Sept., p. 45
Positron Annihilation ..... Sept., p. 45
Scanning Electron Microscopy ..... June, p. 53; Aug., p. 77
Scanning Probe Microscope ..... Oct., p. 123
Scratch Test ..... Sept., p. 77
Solid Phase Extraction ..... June, p. 33
Solvents, VOC ..... June, p. 33
Taber Abrasion ..... Sept., p. 77
Ultraviolet Spectroscopy ..... Feb., p. 91
Wet Abrasion Test ..... May, p. 33
Xenon Chloride Lamp ..... Feb., p. 77

Chemical Processes

Catalysis ..... May, p. 51; Dec., p. 49
Corrosion ..... Mar., p. 65; July, p. 53; Aug., p. 67; Sept., p. 45
Crosslinking ..... June, p. 43; June, p. 59; July, p. 43; July, p. 61; Sept., p. 55; Sept., p. 77; Dec., p. 33; Dec., p. 49
Photooxidation ..... Jan., p. 85
Photostabilization ..... Jan., p. 85
Polymerization ..... Feb., p. 91; May, p. 39
Synthesis ..... Feb., p. 91
Weathering ..... Jan., p. 85; Feb., p. 69

Classes of Coatings

Automotive ..... Jan., p. 85; Feb., p. 69; Mar., p. 57
High-Solids ..... July, p. 43
Latex ..... June, p. 43; Nov., p. 13
Marine ..... Mar., p. 39; Apr., p. 67
Powder ..... Aug., p. 91; Dec., p. 23
Solventborne ..... Sept., p. 55
Thermoset ..... June, p. 43
Traffic Marking ..... May, p. 33
UV, EB, Radiation Cure ..... Feb., p. 77; Mar., p. 29; Aug., p. 83; Nov., p. 13; Nov., p. 29; Dec., p. 33
Water-based ..... June, p. 33
Waterborne ..... Jan., p. 109; Jan., p. 127; Apr., p. 73; Apr., p. 81; June, p. 43; July, p. 43; Oct., p. 113
Wood ..... Mar., p. 47

Coatings Components

Acids ..... June, p. 65
Acrylics ..... Oct., p. 123
Alkyds ..... June, p. 59; July, p. 71
Calcium Carbonate ..... Nov., p. 13
Cycloaliphatic Epoxides ..... June, p. 43
Epoxy ..... Feb., p. 85; July, p. 53; July, p. 71; Sept., p. 45; Sept., p. 77; Dec., p. 49
Fluorine ..... Aug., p. 77
Latex ..... Jan., p. 97; Jan., p. 109; Apr., p. 55; Apr., p. 73; May, p. 39; June, p. 43; July, p. 43; Nov., p. 13; Dec., p. 49
Melamine ..... Feb., p. 69
Polyglycols ..... Feb., p. 85
Polyurethanes ..... Mar., p. 47; May, p. 51; June, p. 65; Sept., p. 55; Sept., p. 69; Oct., p. 113; Oct., p. 123; Dec., p. 49
Urethanes ..... July, p. 71
Vinyl Ether ..... Feb., p. 91

Coatings

Automotive ..... Jan., p. 85; Feb., p. 69; Mar., p. 57
Clearcoat ..... Feb., p. 69; Mar., p. 57; Oct., p. 123
Coalescence ..... Jan., p. 97
Corrosion (Anti-) ..... Mar., p. 65; July, p. 53; Sept., p. 45
CPVC ..... Apr., p. 67
Crosslinking ..... June, p. 43; June, p. 59; July, p. 43; July, p. 61; Sept., p. 55; Sept., p. 77; Dec., p. 33; Dec., p. 49
Curing ..... Jan., p. 109; Feb., p. 77; July, p. 43; July, p. 61; Aug., p. 83; Dec., p. 33
Flame Retardant ..... May, p. 39
Fouling (Anti-) ..... Mar., p. 39; Apr., p. 67
Hardness ..... Mar., p. 57
High-Solids ..... July, p. 43

Leveling ..... Jan., p. 109
Low/Zero VOC ..... Jan., p. 97; July, p. 71
Marine ..... Mar., p. 39; Apr., p. 67
Mechanical Properties ..... Mar., p. 57; June, p. 53
Overspray ..... Dec., p. 23
Penetration ..... June, p. 53; July, p. 61
Powder ..... Aug., p. 91; Dec., p. 23
Rheology ..... Jan., p. 109; Apr., p. 55; Apr., p. 73
Service Life Prediction ..... Jan., p. 85
Solventborne ..... Sept., p. 55
Structure/Property Relationships ..... Feb., p. 85
Thermoplastic ..... May, p. 33
Two-Component ..... Mar., p. 47; Dec., p. 41
UV, EB, Radiation Cure ..... Feb., p. 77; Mar., p. 29; Aug., p. 83; Nov., p. 13; Dec., p. 33
Waterborne ..... Jan., p. 109; Jan., p. 127; Mar., p. 47; Apr., p. 55; Apr., p. 73; Apr., p. 81; June, p. 43; July, p. 43; Oct., p. 113
Water Sorption ..... Sept., p. 45
Weathering ..... Jan., p. 85; Feb., p. 69; July, p. 43
Wood ..... Mar., p. 47
Zinc Rich Primers ..... May, p. 45

Coatings Processes

Curing ..... Jan., p. 109; Feb., p. 77; July, p. 43; July, p. 61; Aug., p. 83; Dec., p. 33
Drying ..... Apr., p. 55; Apr., p. 73; June, p. 59
Leveling ..... Jan., p. 109
Rheology ..... Jan., p. 109; Apr., p. 55; Apr., p. 73
UV, EB, Radiation Cure ..... Feb., p. 77; Mar., p. 29; Aug., p. 83; Nov., p. 13; Nov., p. 29; Dec., p. 33

Coatings Properties

Adhesion ..... July, p. 85; Aug., p. 67
Antifouling, Biofouling ..... Mar., p. 39; Apr., p. 67
Block Resistance ..... Jan., p. 97
Corrosion Resistance ..... Feb., p. 85; Mar., p. 65; July, p. 53; Aug., p. 67; Sept., p. 45; Dec., p. 33
Durability ..... Jan., p. 85; Feb., p. 69
Hardness, Mar Resistance ..... Mar., p. 57; July, p. 43; Sept., p. 77; Oct., p. 123
Mechanical Properties ..... June, p. 53
Service Life Prediction ..... Jan., p. 85
Weatherability ..... Jan., p. 85; Feb., p. 69; July, p. 43

Environmental Concerns, Regulations

Acid Rain ..... Feb., p. 69
Hazardous Air Pollutants (HAPs) ..... Mar., p. 47
Industrial Hygiene ..... Mar., p. 47
Safety ..... Aug., p. 83; Nov., p. 13
Overspray Paint ..... Dec., p. 23
VOC Control ..... Mar., p. 47; June, p. 33; July, p. 71; Aug., p. 83

Films

Bond Strength ..... May, p. 33
Curing ..... July, p. 61
Drying ..... Apr., p. 55
Formation ..... Jan., p. 97
Latex Coalescence ..... Jan., p. 97

Formulation

CPVC ..... Apr., p. 67
Design ..... Oct., p. 137
Microspheres ..... July, p. 71
Models ..... June, p. 43; Aug., p. 67

Manufacturing

Dry Grind ..... Feb., p. 99
Industrial Hygiene ..... Mar., p. 47
Mills ..... Feb., p. 99
Overspray ..... Dec., p. 23
Wet Grind ..... Feb., p. 99
Wet Booth ..... Dec., p. 23

Oils

Castor Oil ..... June, p. 65
Natural Oils ..... June, p. 65
Tall Oil ..... June, p. 65

Optics/Color

Color Measurement ..... June, p. 59

Pigments

Aluminum Phosphate ..... Apr., p. 81
Anchoring Groups ..... Oct., p. 137
Carbon Black ..... Feb., p. 99
Characterization ..... Mar., p. 39
Corrosion Inhibitors ..... Sept., p. 45
Cuprous Oxide ..... Mar., p. 39
Dispersion ..... Feb., p. 99; Oct., p. 137
Extenders ..... July, p. 71; Nov., p. 13
Flocculation ..... Dec., p. 23
Fouling (Anti-) ..... Mar., p. 39
Organic ..... Apr., p. 29
Solubilization ..... Mar., p. 39
Spherical ..... July, p. 71
Synthesis ..... Mar., p. 39
Titanium Dioxide ..... May, p. 59
White ..... Apr., p. 81
Zinc ..... May, p. 45

Polymeric Components

Acrylic ..... Oct., p. 123; Nov., p. 13
Epoxy ..... Feb., p. 85; July, p. 53; July, p. 71; Sept., p. 45; Sept., p. 77; Dec., p. 49
Melamine ..... Feb., p. 69
Polyaniline ..... Mar., p. 65
Styrene ..... May, p. 39
Urethane (Poly-) ..... July, p. 71; Sept., p. 55; Sept., p. 69; Oct., p. 113; Oct., p. 123; Dec., p. 41; Dec., p. 49
Vinyl Acrylic ..... Nov., p. 13

Polymers

Adsorption ..... Feb., p. 99
Conducting ..... Mar., p. 65
Dispersions ..... Aug., p. 77; Dec., p. 49
Emulsions ..... July, p. 43; Dec., p. 49
Polymerization ..... May, p. 39

Solvents

Evaporation ..... Apr., p. 55
VOC ..... June, p. 33

Substrates

Paper ..... June, p. 53
Ship Hulls ..... Apr., p. 67
Steel ..... July, p. 53
Textiles ..... Aug., p. 77
Tinplate Cans ..... Aug., p. 67
Wood ..... Mar., p. 47

Alphabetical Listing of Papers

Application of Conducting Polymers in Corrosion Protection—S.P. Sitaram, J.O. Stoffer, and T.J. O'Keefe, Mar., p. 65.

Capture of Overspray Powder Paint in a Wet Booth System—S.F. Kia, D.N. Rai, J.C. Simmer, and C. Wilson, Dec., p. 23.

A Comparison of the Quality of Carbon Black Dispersions Prepared by Dry and Wet Grind Processes—A. Yokoyama, P.F. McIntyre, H.L. Jakubauskas, and J.G. King, Feb., p. 99.

Corrosion Resistance and Dielectric Properties of an Iron Oxide Filled Epoxy Coating—N. Kouloumbi, G.M. Tsangaris, C. Vourvahi, and F. Molnar, July, p. 53.

Curing Profiles of the New Xenon Chloride Lamp—K. Sharp, J. Mattson, and S. Jönnson, Feb., p. 77.

Design of Pigment Dispersants: Methodology for Selection of Anchoring Groups—H.J.W. van den Haak, Oct., p. 137.

Determination of Metallic Zinc Content of Inorganic and Organic Zinc-Rich Primers by Differential Scanning Calorimetry—D.W. Weldon and B.M. Carl, May, p. 45.

Direct VOC Analysis of Water-Based Coatings by Gas Chromatography and Solid-Phase Microextraction—Los Angeles Society for Coatings Technology, June, p. 33.

Durability Assessment of Automotive Coatings—Design and Evaluation of Accelerated Tests—K.M. Wernståhl and B. Carlsson, Feb., p. 69.

Effect of Passivation Treatment and Storing on Adhesion and Protective Properties of Lacquered Tinplate Cans—J.M. Bastidas, J.M. Cabañes, and R. Catalá, Aug., p. 67.

Epoxy Silanes in Reactive Polymer Emulsions—M.J. Chen, F.D. Osterholtz, A. Chaves, P.E. Ramdatt, and B.A. Waldman, Dec., p. 49.

Exposure Studies of Exterior Latex House Paints Containing Kaolin Clay Pigments—T.T. Broome, Nov., p. 13.

Flame-Retardant Brominated Styrene-Based Polymers. X. Dibromostyrene Grafted Latexes—N.A. Favstritsky and J.-L. Wang, May, p. 39.

Fundamentals of Adhesion—J.A. Baghdachi, July, p. 85.

High Performance Coating Films Cured by Novel Penetrating Method: Anionic Resins Paints—Y. Nakayama, July, p. 61.

High Performance Coatings Based on Novel Penetrative Curing: Cationic Electrodeposition Coatings Cured at Ambient Temperature—Y. Nakayama, Dec., p. 33.

Influence of Crosslink Density, Glass Transition Temperature and Addition of Pigment and Wax on the Scratch Resistance of an Epoxy Coating—J. Lange, A. Luisier, and A. Hult, Sept., p. 77.

Initiator-Free Photopolymerization of an Aliphatic Vinyl Ether-Maleimide Monomer—K. Andersson and A. Hult, Feb., p. 91.

Interfacial Studies of Crosslinked Polyurethanes; Part I. Quantitative and Structural Aspects of Crosslinking Near Film-Air and Film-Substrate Interfaces in Solvent-Borne Polyurethanes—A.M. Kaminski and M.W. Urban, Sept., p. 55.

Interfacial Studies of Crosslinked Urethanes: Part II. The Effect of Humidity on Waterborne Polyurethanes; A Spectroscopic Study—A.M. Kaminski and M.W. Urban, Oct., p. 113.

An Introduction to Organic Pigments—P. Lewis, Apr., p. 29.

Mar Resistance of Automotive Clearcoats: I. Relationship to Coating Mechanical Properties—J.L. Courter, Mar., p. 57.

Mechanical Consequences of Coating Penetration—M. Joyce, R. Hagen, and A. de Ruvo, June, p. 53.

Mechanistic Considerations of Particle Size Effects on Film Properties of Hard/Soft Latex Blends—S.T. Eckersley and B.J. Helmer, Jan., p. 97.

Model Compound Study for Acrylic Latex Crosslinking Reactions with Cycloaliphatic Epoxides—S. Wu and M.D. Soucek, June, p. 43.

Oleochemical Polyols—A New Raw Material Source for Polyurethane Coatings and Floorings—R. Höfer, P. Daute, R. Grützmacher, and A. Westfechtel, June, p. 65.

PALS Free Volume Study of Dry and Water Saturated Epoxies—M.M. Madani, R.R. Miron, and R.D. Granata, Sept., p. 45.

Powder Coatings—J.H. Jilek, Aug., p. 91.

Predicting In-Service Weatherability of Automative Coatings: A New Approach—D.R. Bauer, Jan., p. 85.

A Radiation-Cure Primer—J.V. Koleske, Mar., p. 29.

Rheological Changes During the Drying of a Waterborne Latex Coating—F. Löfflath and M. Gebhard, Apr., p. 55.

Rheology of Waterborne Coatings—R.D. Hester and D.R. Squire, Jr., Jan., p. 109.

Safety and Handling of UV/EB Curing Materials—R. Colden, Aug., p. 83.

Selectivity of Isophorone Diisocyanate in the Urethane Reaction Influence of Temperature, Catalysis, and Reaction Partners—R. Lomölder, F. Plogmann, and P. Speier, May, p. 51.

Self-Opacifying Aluminum Phosphate Particles for Paint Film Pigmentation—M.M. Beppu, E.C. de Oliveria Lima, R.M. Sassaki, and F. Galembeck, Apr., p. 81.

Silanes in High-Solids and Waterborne Coatings—M.J. Chen, F.D. Osterholtz, E.R. Pohl, P.E. Ramdatt, A. Chaves, and V. Bennett, July, p. 43.

Singlet Oxygen Drying of Alkyd Resins and Model Compounds—J.C. Hubert, R.A.M. Venderbosch, W.J. Muizebelt, R.P. Klaasen, and K.H. Zabel, June, p. 59.

Solubility and Toxic Effect of the Cuprous Thiocyanate Antifouling Pigment on Barnacle Larvae—V.F. Vetere, M.C. Pérez, R. Romagnoli, M.E. Stupak, B. del Amo, Mar., p. 39.

Structure-Performance Relationships in Alkylene Oxide-Modified Epoxy Coatings—K.W. Anderson, Feb., p. 85.

Study of Anionic Polyurethane Ionomer Dispersant—Y.S. Huang, S.L. Ding, K.H. Yang, C.P. Chwang, and D.Y. Chao, Sept., p. 69.

Study of Formulation Variables of Thermoplastic Reflecting Materials for Traffic Marking—A.C. Aznar, J.J. Caprari, J.F. Meda, and O. Slutzky, May, p. 33.

The Success of UV/EB Curing Environmental Compliance, Performance and Safety—L. Burak, Nov., p. 29.

Syntheses and Characterizations of Two-Component Polyurethane Flame Retardant Coatings Using 2,4-Dichloro Modified Polyesters—C.-H. Park, J.-P. Wu., H.-S. Park, and S.-K. Kim, Dec., p. 41.

Synthesis and Characterization of Copoly(MMA-MA)-Cu Complex and Study on Its Leaching Behavior—A.B. Samui, V.R. Hande, and P.C. Deb, Apr., p. 67.

Synthesis of Fluorine-Containing Dispersions and an Environmental Scanning Electron Microscope Analysis of their Morphology When Applied to Cotton Fabrics—R. Linemann, A. Gorenberg, G. Bar, H.-J. Cantow, and R. Mülhaupt, Aug., p. 77.

Titanium Dioxide—A Review—J.H. Braun, May, p. 59.

Unifying Model for Understanding HEUR Associative Thickener Influences on Waterborne Coatings: I. HEUR Interactions with a Small Particle Latex—M. Chen, W.H. Wetzel, Z. Ma, J.E. Glass, R.J. Buchacek, and J.G. Dickinson, Apr., p. 73.

Use of a Scanning Probe Microscope to Measure Marring Mechanisms and Microhardness of Crosslinked Coatings—W. Shen, S.M. Smith, F.N. Jones, C. Ji, R.A. Ryntz, and M.P. Everson, Oct., p. 123.

The Use of Spherical Extenders in VOC Compliant Coatings—B.J. Carlozzo, July, p. 71.

Using "High Performance Two-Component Waterborne Polyurethane" Wood Coatings—M.J. Dvorchak, Mar., p. 47.

Waterborne Coatings—R. Johnson, Jan., p. 115.

Author Index

Anderson, K.W.— Structure-Performance Relationships in Alkylene Oxide-Modified Epoxy Coatings, Feb., p. 85.

Andersson, K. and Hult, A.—Intitiator-Free Photopolymerization of an Aliphatic Vinyl Ether-Maleimide Monomer, Feb., p. 91.

Aznar, A.C., Caprari, J.J., Meda, J.F., and Slutzky, O.—Study of Formulation Variables of Thermoplastic Reflecting Materials for Traffic Marking, May, p. 33.

Baghdachi, J.A.—Fundamentals of Adhesion, July, p. 85.

Bar, G.—See Linemann, R.

Bastidas, J.M., Cabañes, J.M., and Catalá, R.—Effect of Passivation Treatment and Storing on Adhesion and Protective Properties of Lacquered Tinplate Cans, Aug., p. 67.

Bauer, D.R.—Predicting In-Service Weatherability of Automative Coatings: A New Approach, Jan., p. 85.

Bennett, V.—See Chen, M.J.

Beppu, M.M., de Oliveria Lima, E.C., Sassaki, R.M., and Galembeck, F.—Self-Opacifying Aluminum Phosphate Particles for Paint Film Pigmentation, Apr., p. 81.

Braun, J.H.—Titanium Dioxide—A Review, May, p. 59.

Broome, T.T.—Exposure Studies of Exterior Latex House Paints Containing Kaolin Clay Pigments, Nov., p. 13.

Buchacek, R.J.—See Chen, M.

Burak, L.—The Success of UV/EB Curing Environmental Compliance, Performance and Safety, Nov., p. 29.

Cabañes, J.M.—See Bastidas, J.M.

Cantow, H.-J.—See Linemann, R.

Caprari, J.J.—See Aznar, A.C.

Carl, B.M.—See Weldon, D.W.

Carlozzo, B.J.—The Use of Spherical Extenders in VOC Compliant Coatings, July, p. 71.

Carlsson, B.—See Wernståhl, K.M.

Catalá, R.—See Bastidas, J.M.

Chao, D.Y.—See Huang, Y.S.

Chaves, A.—See Chen, M.J.

Chaves, A.—See Chen, M.J.

Chen, M., Wetzel, W.H., Ma, Z., Glass, J.E., Buchacek, R.J., and Dickinson, J.G.—Unifying Model for Understanding HEUR Associative Thickener Influences on Waterborne Coatings: I. HEUR Interactions with a Small Particle Latex, Apr., p. 73.

Chen, M.J., Osterholtz, F.D., Chaves, A., Ramdatt, P.E., and Waldman, B.A.—Epoxy Silanes in Reactive Polymer Emulsions, Dec., p. 49.

Chen, M.J., Osterholtz, F.D., Pohl, E.R., Ramdatt, P.E., Chaves, A., and Bennett, V.—Silanes in High-Solids and Waterborne Coatings, July, p. 43.

Chwang, C.P.—See Huang, Y.S.

Courter, J.L. —Mar Resistance of Automotive Clearcoats: I. Relationship to Coating Mechanical Properties, Mar., p. 57.

Daute, P.—See Höfer, R.

de Oliveria Lima, E.C.—See Beppu, M.M.

de Ruvo, A.—See Joyce, M.

Deb, P.C.—See Samui, A.B.

del Amo, B.—See Vetere, V.P.

Dickinson, J.G.—See Chen, M.

Ding, S.L.—See Huang, Y.S.

Dvorchak, M.J. —Using "High Performance Two-Component Waterborne Polyurethane" Wood Coatings, Mar., p. 47.

Eckersley, S.T. and Helmer, B.J.— Mechanistic Considerations of Particle Size Effects on Film Properties of Hard/Soft Latex Blends, Jan., p. 97.

Everson, M.P.—See Shen, W.

Favstritsky, N.A. and Wang, J.-L.—Flame-Retardant Brominated Styrene-Based Polymers. X. Dibromostyrene Grafted Latexes, May, p. 39.

Galembeck, F.—See Beppu, M.M.

Gebhard, M.—See Löfflath, F.

Glass, J.E.—See Chen, M.

Golden, R.—Safety and Handling of UV/EB Curing Materials, Aug., p. 83.

Gorenberg, A.—See Linemann, R.

Granata, R.D.—See Madani, M.M.

Grützmacher, R.—See Höfer, R.

Hagen, R.—See Joyce, M.

Hande, V.R.—See Samui, A.B.

Helmer, B.J.—See Eckersley, S.T.

Hester, R.D. and Squire, D.R., Jr.— Rheology of Waterborne Coatings, Jan., p. 109.

Höfer, R., Daute, P., Grützmacher, R., and Westfechtel, A.—Oleochemical Polyols—A New Raw Material Source for Polyurethane Coatings and Floorings, June, p. 65.

Huang, Y.S., Ding, S.L., Yang, K.H., Chwang, C.P., and Chao, D.Y.—Study of Anionic Polyurethane Ionomer Dispersant, Sept., p. 69.

Hubert, J.C., Venderbosch, R.A.M., Muizebelt, W.J., Klaasen, R.P., and Zabel, K.H.—Singlet Oxygen Drying of Alkyd Resins and Model Compounds, June, p. 59.

Hult, A.—See Andersson, K.

Hult, A.—See Lange, J.

Jakubauskas, H.L.—See Yokoyama, A.

Ji, C.—See Shen, W.

Jilek, J.H.—Powder Coatings, Aug., p. 91.

Johnson, R.—Waterborne Coatings, Jan., p. 115.

Jones, F.N.—See Shen, W.

Jönnson, S.—See Sharp, K.

Joyce, M., Hagen, R., and de Ruvo, A.—Mechanical Consequences of Coating Penetration, June, p. 53.

Kaminski, A.M. and Urban, M.W.—Interfacial Studies of Crosslinked Polyurethanes; Part I. Quantitative and Structural Aspects of Crosslinking Near Film-Air and Film-Substrate Interfaces in Solvent-Borne Polyurethanes, Sept., p. 55.
Kaminski, A.M. and Urban, M.W.—Interfacial Studies of Crosslinked Urethanes: Part II. The Effect of Humidity on Waterborne Polyurethanes; A Spectroscopic Study, Oct., p. 113.
Kia, S.F., Rai, D.N., Simmer, J.C., and Wilson, C.—Capture of Overspray Powder Paint in a Wet Booth System, Dec., p. 23.
Kim, S.-K.—See Park, C.-H.
King, J.G.—See Yokoyama, A.
Klassen, R.P.—See Hubert, J.C.
Koleske, J.V. —A Radiation-Cure Primer Mar., p. 29.
Kouloumbi, N., Tsangaris, G.M., Vourvahi, C., and Molnar, F.—Corrosion Resistance and Dielectric Properties of an Iron Oxide Filled Epoxy Coating, July, p. 53.

Lange, J., Luisier, A., and Hult, A.—Influence of Crosslink Density, Glass Transition Temperature and Addition of Pigment and Wax on the Scratch Resistance of an Epoxy Coating, Sept., p. 77.
Lewis, P.—An Introduction To Organic Pigments, Apr., p. 29.
Linemann, R., Gorenberg, A., Bar, G., Cantow, H.-J., and Mülhaupt, R.—Synthesis of Fluorine-Containing Dispersions and an Environmental Scanning Electron Microscope Analysis of their Morphology When Applied to Cotton Fabrics, Aug., p. 77.
Löfflath, F. and Gebhard, M.—Rheological Changes During the Drying of a Waterborne Latex Coating, Apr., p. 55.
Lomölder, R., Plogmann, F., and Speier, P.—Selectivity of Isophorone Diisocyanate in the Urethane Reaction Influence of Temperature, Catalysis, and Reaction Partners, May, p. 51.
Luisier, A.—See Lange, J.

Ma, Z.—See Chen, M.
Madani, M.M., Miron, R.R., and Granata, R.D.—PALS Free Volume Study of Dry and Water Saturated Epoxies, Sept., p. 45.
Mattson, J.—See Sharp, K.
McIntyre, P.F.—See Yokoyama, A.
Meda, J.F.—See Aznar, A.C.
Miron, R.R.—See Madani, M.M.
Molnar, F.—See Kouloumbi, N.
Muizebelt, W.J.—See Hubert, J.C.
Mülhaupt, R.—See Linemann, R.

Nakayama, Y.—High Performance Coating Films Cured by Novel Penetrating Method: Anionic Resin Paints, July, p. 61.
Nakayama, Y.—High Performance Coatings Based on Novel Penetrative Curing: Cationic Electrodeposition Coatings Cured at Ambient Temperature, Dec., p. 33.

O'Keefe, T.J.—See Sitaram, S.P.
Osterholtz, F.D.—See Chen, M.J.
Osterholtz, F.D.—See Chen, M.J.

Park, C.-H., Wu., J.-P., Park, H.-S., and Kim, S.-K.—Syntheses and Characterizations of Two-Component Polyurethane Flame Retardant Coatings Using 2,4-Dichloro Modified Polyesters, Dec., p. 41.
Park, H.-S.—See Park, C.-H.
Pérez, M.C.—See Vetere, V.P.
Plogmann, F.—See Lomölder, R.
Pohl, E.R.—See Chen, M.J.

Rai, D.N.—See Kia, S.F.
Ramdatt, P.E.—See Chen, M.J.
Ramdatt, P.E.—See Chen, M.J.
Romagnoli, R.—See Vetere, V.P.
Ryntz, R.A.—See Shen, W.

Samui, A.B., Hande, V.R., and Deb, P.C.—Synthesis and Characterization of Copoly(MMA-MA)-Cu Complex and Study on Its Leaching Behavior, Apr., p. 67.
Sassaki, R.M.—See Beppu, M.M.
Sharp, K., Mattson, J., and Jönnson, S.—Curing Profiles of the New Xenon Chloride Lamp, Feb., p. 77.
Shen, W., Smith, S.M., Jones, F.N., Ji, C., Ryntz, R.A., and Everson, M.P.—Use of a Scanning Probe Microscope to Measure Marring Mechanisms and Microhardness of Crosslinked Coatings, Oct., p. 123.
Simmer, J.C.—See Kia, S.F.
Sitaram, S.P., Stoffer, J.O., and O'Keefe, T.J.—Application of Conducting Polymers in Corrosion Protection, Mar., p. 65.
Slutzky, O.—See Aznar, A.C.
Smith, S.M.—See Shen, W.
Soucek, M.D.—See Wu, S.
Speier, P.—See Lomölder, R.
Squire, D.R., Jr.—See Hester, R.D.
Stoffer, J.O.—See Sitaram, S.P.
Stupak, M.E.—See Vetere, V.P.

Tsangaris, G.M.—See Kouloumbi, N.

Urban, M.W.—See Kaminski, A.M.
Urban, M.W.—See Kaminski, A.M.

van den Haak, H.J.W.—Design of Pigment Dispersants: Methodology for Selection of Anchoring Groups, Oct., p. 137.
Venderbosch, R.A.M.—See Hubert, J.C.
Vetere, V.F., Pérez, M.C., Romagnoli, R., Stupak, M.E., del Amo, B.— Solubility and Toxic Effect of the Cuprous Thiocyanate Antifouling Pigment on Barnacle Larvae, Mar., p. 39.
Vourvahi, C.—See Kouloumbi, N.

Waldman, B.A.—See Chen, M.J.
Wang, J.-L.—See Favstritsky, N.A.
Weldon, D.W. and Carl, B.M.—Determination of Metallic Zinc Content of Inorganic and Organic Zinc-Rich Primers by Differential Scanning Calorimetry, May, p. 45.
Wernståhl, K.M. and Carlsson, B.— Durability Assessment of Automotive Coatings—Design and Evaluation of Accelerated Tests, Feb., p. 69.
Westfechtel, A.—See Höfer, R.
Wetzel, W.H.—See Chen, M.
Wilson, C.—See Kia, S.F.
Wu, J.-P.—See Park, C.-H.
Wu, S. and Soucek, M.D.—Model Compound Study for Acrylic Latex Crosslinking Reactions with Cycloaliphatic Epoxides, June, p. 43.

Yang, K.H.—See Huang, Y.S.
Yokoyama, A., McIntyre, P.F., Jakubauskas, H.L., and King, J.G.— A Comparison of the Quality of Carbon Black Dispersions Prepared by Dry and Wet Grind Processes, Feb., p. 99.

Zabel, K.H.—See Hubert, J.C.

Constituent Society Paper

Direct VOC Analysis of Water-Based Coatings by Gas Chromatography and Solid-Phase Microextraction—Los Angeles Society for Coatings Technology, June, p. 33.